

MGK[®] Repellent 326 Summary

Uses

- C MGK[®] Repellent 326 is used for application to companion animals (i.e., kittens, cats, puppies, dogs, and horses) and their outdoor premises (i.e., the interior of kennels, barns, etc.), and direct application to humans to repel insects only.
- C According to the technical registrant, in 2002, 38% of the total amount of MGK[®] Repellent 326 was sold to customers with pesticide labels for use as “personal insect repellents,” 54% for use on horses, and 8% for use on dogs and cats.
- C MGK[®] Repellent 326 may be applied topically to skin and clothes on an as needed basis. Products used as insect repellents for humans contain 1% to 4% a.i. and those used on companion animals contain 1% to 5% a.i. However, MGK[®] Repellent 326 is never used alone as the sole active ingredient; it is mostly used to enhance the repellency of other formulation components, such as DEET and MGK 264.

Health Effects

- C No acute hazard endpoint (no adverse effects were associated with exposure to a single dose) was identified.
- C MGK[®] Repellent 326 is currently classified as a probable human carcinogen (B2) based on the findings in the rat and the mouse studies.

Risks

- C Acute and chronic dietary (food and drinking water) risks are not of concern, because dietary exposure from use as an insect repellent is not expected.
- C Residential non-cancer risks from dermal and incidental oral exposure is not of concern.
- C Residential cancer risks are of potential concern from dermal exposure to MGK[®] Repellent 326; however, the Agency considers this assessment to be conservative.
- C Aggregate (food, water, & residential) risks are not of concern, because there is no potential for concurrent exposure via the food, water, and residential pathways.
- C Worker risks are not of concern, because there are no specific occupational uses of MGK[®] Repellent 326.
- C Ecological risks are not of concern. The Agency believes that there is little to no exposure to non-target organisms and endangered species from the registered uses.